

NEW SPECIES OF FRESH-WATER SHELLS FROM AUSTRALIA.

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[Read before the Conchological Society]

1. **Bithynia Richmondiana** n. sp. Shell cylindrically elliptical, sub-umbilicate, pale greenish, horny, thin, shining; spire roundly obtuse; whorls $4\frac{1}{2}$, very convex, suture much impressed; aperture ovate, distinct from whorl, entire; operculum yellowish, horny. Length 3 mill., breadth $1\frac{1}{4}$ mill.

Habitat, creeks running into the Richmond river, New South Wales.

Occurs in some abundance on stones and plants in somewhat swift running streams. Its form and colour distinguish it from any other described Australian species known to me.

2. **Amnicola positura** n. sp. Shell globosely conical, sub-umbilicate, sharply carinate, above conically acute, lower surface convex; colour almost black, often coated with *Diatomacæ*; whorls $5\frac{1}{2}$, suture marginate and impressed; aperture pyriform, almost entire, outer lip expanded. Length 3 mill., breadth $1\frac{1}{4}$ mill.

Habitat, Richmond River, New South Wales.

I collected a considerable number near Lismore, on the above river. It is very plentiful, but seems to be a local species. It may be known by the acute carination, robust form, and dark coloration.

3. **Aynclus assimilis** n. sp. Shell small, broadly ovate, dark horny brown, dull, striate; apex twisted; aperture dark brown within. Length 3 mill., breadth, 2 mill., height $1\frac{1}{2}$ mill.

This form comes so near *A. tasmanica* Tenison Woods, that it may prove to be identical. It appears to be broader with the apex more twisted.

The following is a list of the species of fresh-water shells I collected at the Richmond River :—

1. *Physa fusiformis* N. & T.
 2. „ sp. ?
 3. *Ancylus assimilis* mihi.
 4. „ sp. ? A much longer, narrow form, very thin and pale colour. Pending the examination of additional examples I have provisionally named it *A. oblonga* n. sp.
 5. *Planorbis* sp. ?
 6. „ sp. ? Both very small representatives of the genus.
 7. *Melania Tatei* Brazier.
 8. *Bithynia Richmondiana* mihi.
 9. *Amnicola positura* mihi.
 10. *Sphærium* sp. ?
 11. *Corbicula* sp. ?
 12. *Unio* sp. ?
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Colonizing Land Shells in East Sutherlandshire.

—I have introduced colonies of the following shells into the lower part of the basin of the Brora river, after satisfying myself that none of them existed in a living state in the parish of Clyne, Sutherlandshire :—*Bulimus acutus* from Llandudno ; *Helix virgata* from Llandudno ; *H. ericetorum* from North Sutherland ; *H. aspersa* from Banff. The three first are still living and likely to hold their ground, but I have lost sight of *H. aspersa*, probably killed out by Blackbirds.—W. BAILLIE, Oct. 24th, 1883.